

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: LUMIERE

Report Number: P394753

Luminaire Tested: **303-B1-LEDB2-3500-UNV-T5X-DIM10-EDGE**

Issue Date: 4/9/2020

Test Information

Test Method: LM-79-08
Report Number: P394753
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2001-660-6)
Test Lab: INNOVATION CENTER
Issue Date: 4/9/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMIERE
Catalog Number: 303-B1-LEDB2-3500-UNV-T5X-DIM10-EDGE
Description: LUMIERE EON LED LUMINAIRE
BOLLARD, SINGLE HEAD, TWO LIGHTBAR, TYPE 5 WITH EDGE GLOW
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1208.7 lumens
Efficiency: N/A
Efficacy: 78.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 0.42' x H: 0.01')
IES Classification: Type I - Short
BUG Rating: B0 - U2 - G1

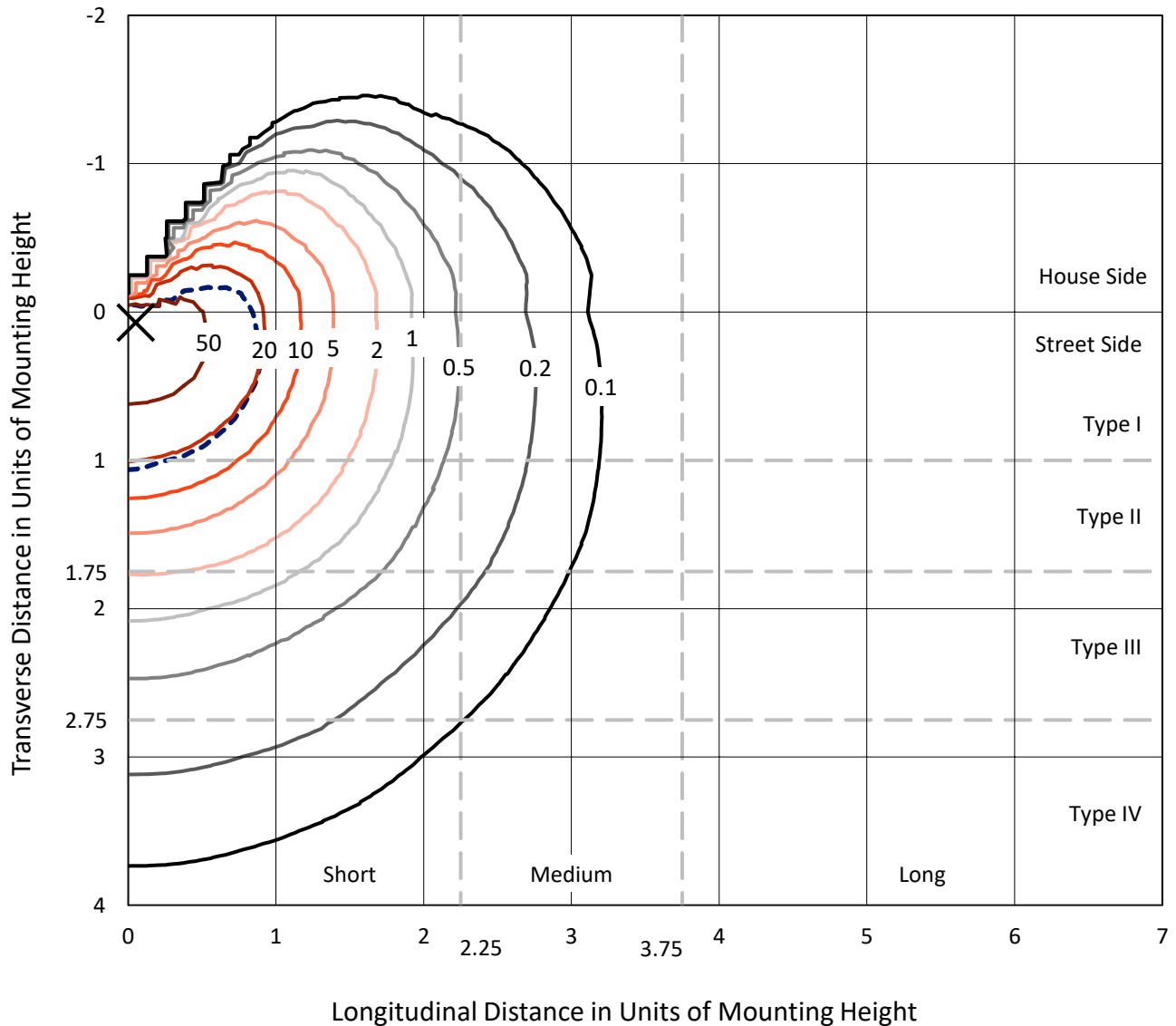
Input Watts (W): 15.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

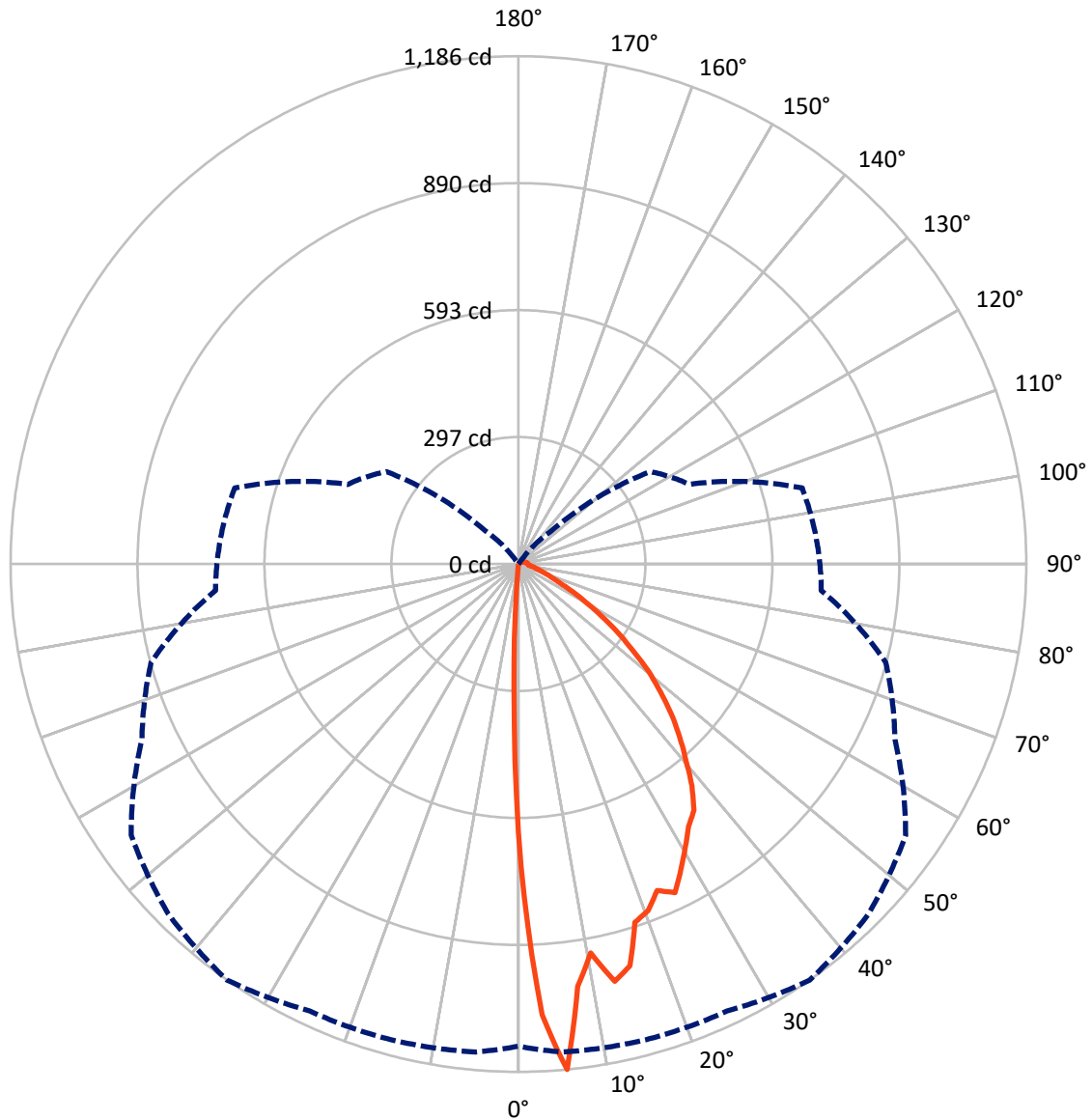
× Max cd
 - - - 1/2 Max cd



Based on 3 foot mounting height. Maximum calculated value = 104.7 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 5-Deg Vertical

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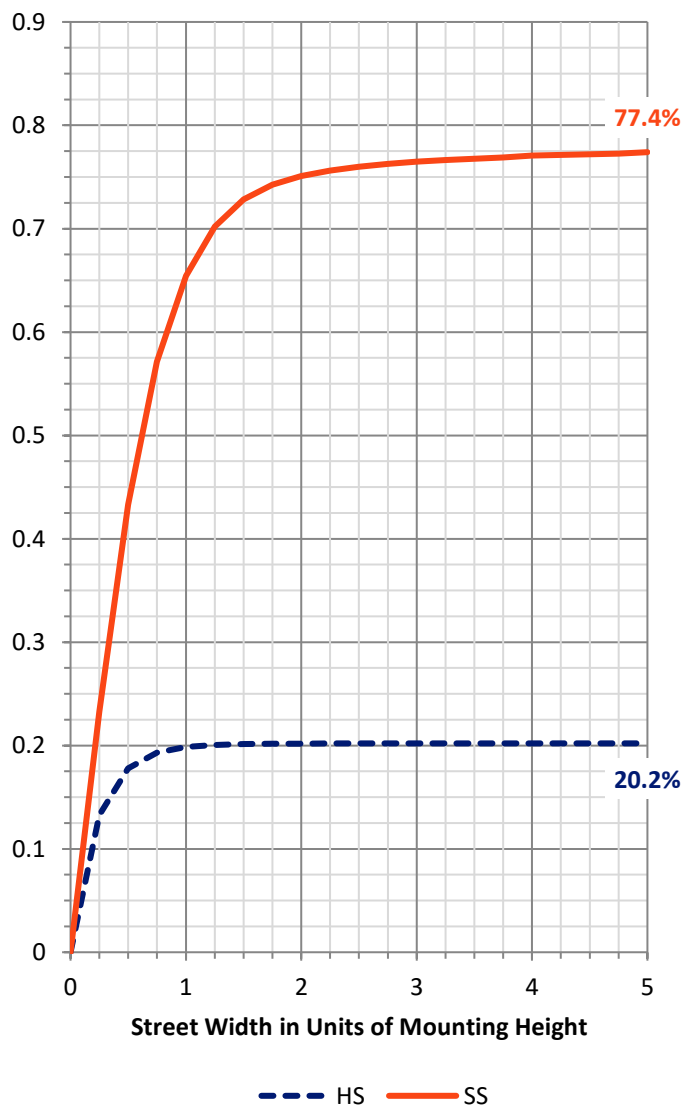
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	246.8	0.0	246.8
	% Fixture	20.4	0.0	20.4
Street Side	Lumens	940.1	21.8	961.9
	% Fixture	77.8	1.8	79.6
Total	Lumens	1186.9	21.8	1208.7
	% Fixture	98.2	1.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.3	4.9
10°-20°	155.2	12.8
20°-30°	230.4	19.1
30°-40°	261.5	21.6
40°-50°	233.8	19.3
50°-60°	148.6	12.3
60°-70°	61.8	5.1
70°-80°	25.5	2.1
80°-90°	10.8	0.9
90°-100°	8.3	0.7
100°-110°	6.1	0.5
110°-120°	3.8	0.3
120°-130°	2.1	0.2
130°-140°	1.0	0.1
140°-150°	0.5	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1186.9	98.2
0°-180°	1208.7	100.0

Coefficient of Utilization



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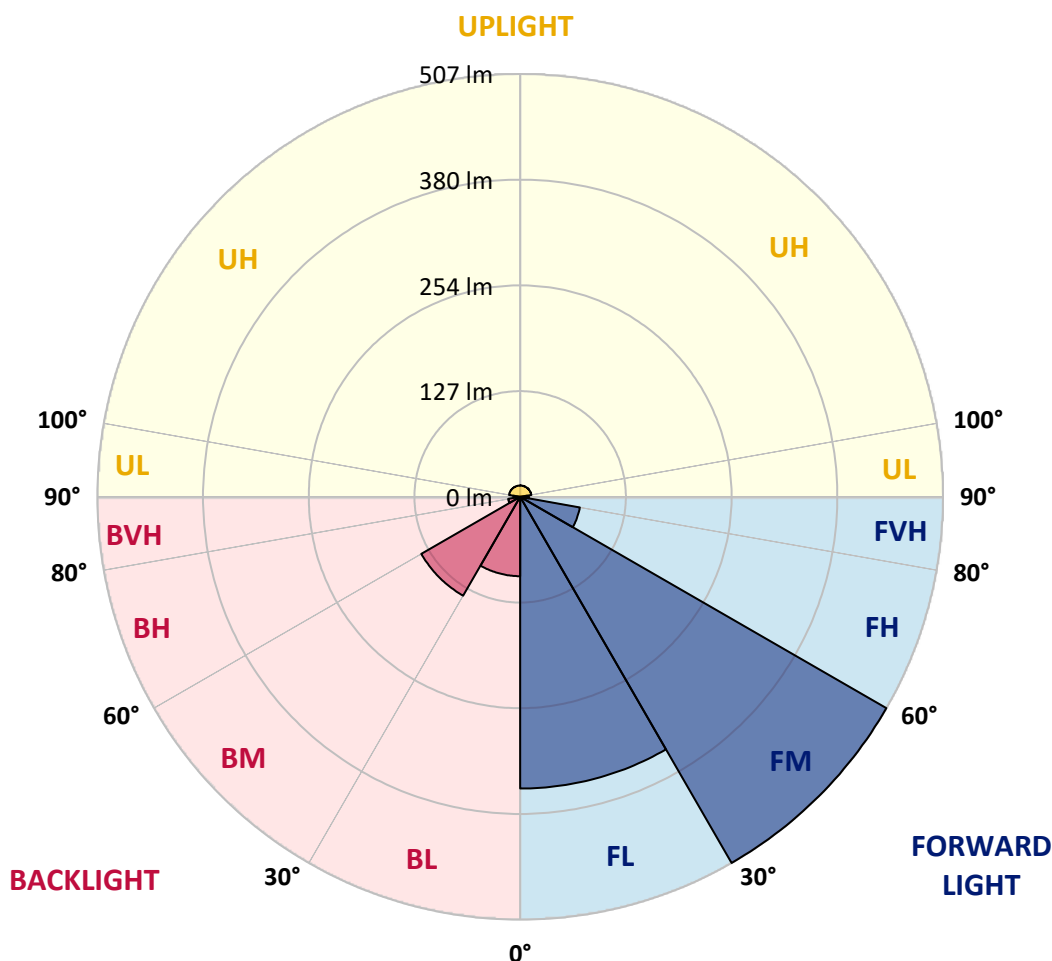
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	349.7	28.9			
FM (30°-60°)	507.0	41.9			
FH (60°-80°)	72.7	6.0			G0/660
FVH (80°-90°)	10.6	0.9			G1/100
BL (0°-30°)	95.2	7.9	B0/110		
BM (30°-60°)	136.9	11.3	B0/220		
BH (60°-80°)	14.6	1.2	B0/110		G0/110
BVH (80°-90°)	0.2	0.0			G0/10
UL (90°-100°)	8.3	0.7		U1/10	
UH (100°-180°)	13.5	1.1		U2/50	

BUG Rating: B0-U2-G1

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	708	708	708	708	708	708	708	708	708	708	708
2.5°	1144	1130	1078	1096	1054	1046	1018	950	748	718	696
5°	1126	1144	1150	1152	1186	1156	1104	970	888	710	704
7.5°	936	960	940	948	996	1050	1024	982	872	718	688
10°	1008	1016	992	952	924	882	924	954	856	692	684
12.5°	990	1022	1010	1038	1000	876	828	880	842	696	680
15°	896	908	906	938	974	960	858	776	818	694	668
17.5°	866	880	872	878	880	930	894	762	806	692	666
20°	876	878	862	866	864	864	878	768	770	682	650
22.5°	862	862	864	880	828	826	834	814	722	670	654
25°	832	836	830	850	850	810	780	798	688	666	650
27.5°	796	810	796	808	808	804	754	772	676	648	626
30°	762	770	762	774	768	776	730	726	654	618	604
32.5°	726	730	724	732	730	720	702	686	644	610	588
35°	686	698	670	696	706	684	664	644	614	546	554
37.5°	648	646	638	650	658	642	618	602	574	526	520
40°	608	612	600	600	602	596	570	558	540	484	482
42.5°	572	564	552	552	552	540	526	514	494	450	444
45°	520	512	498	504	502	490	482	470	448	414	398
47.5°	464	468	452	460	446	442	428	410	396	366	354
50°	408	408	390	396	394	388	370	360	346	318	314
52.5°	348	350	338	344	332	330	316	308	286	260	264
55°	288	292	282	286	280	276	262	250	234	214	206
57.5°	228	228	230	232	228	228	210	202	180	166	158
60°	156	160	168	184	180	178	168	154	140	122	120
62.5°	128	128	126	130	142	140	128	120	106	90	88
65°	104	104	102	106	106	108	100	90	80	72	68
67.5°	88	88	86	84	84	86	78	72	66	58	54
70°	72	74	72	72	68	64	64	58	52	46	40
72.5°	62	62	60	60	54	52	50	46	40	34	30
75°	52	52	50	48	44	42	38	36	30	24	22
77.5°	44	44	42	42	38	34	28	26	22	16	14
80°	38	38	36	36	32	28	22	18	16	10	8
82.5°	34	34	32	30	26	24	18	14	10	4	2
85°	32	30	30	28	24	20	16	12	6	2	0
87.5°	28	28	28	26	22	20	14	10	4	0	0
90°	28	28	26	24	22	18	14	10	4	0	0
92.5°	26	26	26	24	22	18	14	10	4	0	0
95°	26	26	24	24	20	18	14	10	4	0	0
97.5°	24	24	22	22	20	16	12	8	4	0	0
100°	22	22	22	20	18	16	12	8	4	0	0
102.5°	20	20	20	18	16	14	10	8	4	0	0
105°	18	18	18	18	16	14	10	8	4	0	0
107.5°	18	18	16	16	14	12	10	6	4	0	0
110°	16	16	16	14	12	10	8	6	2	0	0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	14	14	14	12	12	10	8	6	2	0	0
115°	12	12	12	12	10	8	6	4	2	0	0
117.5°	12	12	10	10	8	8	6	4	2	0	0
120°	10	10	10	8	8	6	6	4	2	0	0
122.5°	8	8	8	8	6	6	4	4	2	0	0
125°	8	8	8	6	6	6	4	2	2	0	0
127.5°	6	6	6	6	6	4	4	2	2	0	0
130°	6	6	6	4	4	4	4	2	2	0	0
132.5°	4	4	4	4	4	4	2	2	2	0	0
135°	4	4	4	4	4	2	2	2	2	0	0
137.5°	2	2	4	2	2	2	2	2	2	0	0
140°	2	2	2	2	2	2	2	2	2	0	0
142.5°	2	2	2	2	2	2	2	2	2	0	0
145°	2	2	2	2	2	2	2	2	0	0	0
147.5°	0	0	2	2	2	2	2	2	0	0	0
150°	0	0	0	2	2	2	2	2	0	0	0
152.5°	0	0	0	0	2	2	2	2	0	0	0
155°	0	0	0	0	0	0	0	0	0	0	0
157.5°	0	0	0	0	0	0	0	0	0	0	0
160°	0	0	0	0	0	0	0	0	0	0	0
162.5°	0	0	0	0	0	0	0	0	0	0	0
165°	0	0	0	0	0	0	0	0	0	0	0
167.5°	0	0	0	0	0	0	0	0	0	0	0
170°	0	0	0	0	0	0	0	0	0	0	0
172.5°	0	0	0	0	0	0	0	0	0	0	0
175°	0	0	0	0	0	0	0	0	0	0	0
177.5°	0	0	0	0	0	0	0	0	0	0	0
180°	0	0	0	0	0	0	0	0	0	0	0



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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	708	708	708	708	708	708	708	708	708	708
2.5°	690	702	702	658	342	294	296	294	286	288
5°	698	686	440	376	110	0	0	0	0	0
7.5°	690	592	398	300	112	0	0	0	0	0
10°	682	584	394	296	110	0	0	0	0	0
12.5°	678	588	394	294	110	0	0	0	0	0
15°	684	586	396	294	106	0	0	0	0	0
17.5°	670	584	398	290	106	0	0	0	0	0
20°	672	574	398	284	100	0	0	0	0	0
22.5°	654	568	394	278	100	0	0	0	0	0
25°	640	538	386	268	96	0	0	0	0	0
27.5°	624	524	376	256	94	0	0	0	0	0
30°	602	498	358	242	90	0	0	0	0	0
32.5°	578	500	342	240	84	0	0	0	0	0
35°	566	458	320	228	80	0	0	0	0	0
37.5°	520	440	300	210	62	0	0	0	0	0
40°	480	392	286	164	38	0	0	0	0	0
42.5°	442	370	262	174	64	0	0	0	0	0
45°	402	332	234	136	56	0	0	0	0	0
47.5°	368	302	206	142	50	0	0	0	0	0
50°	310	254	178	120	42	0	0	0	0	0
52.5°	266	214	150	102	36	0	0	0	0	0
55°	208	168	122	82	28	0	0	0	0	0
57.5°	158	132	94	62	22	0	0	0	0	0
60°	124	96	70	46	16	0	0	0	0	0
62.5°	90	70	52	32	12	0	0	0	0	0
65°	70	54	38	24	8	0	0	0	0	0
67.5°	54	42	28	14	6	0	0	0	0	0
70°	42	32	22	10	4	0	0	0	0	0
72.5°	32	24	16	8	2	0	0	0	0	0
75°	22	16	10	4	0	0	0	0	0	0
77.5°	14	10	6	2	0	0	0	0	0	0
80°	8	4	2	0	0	0	0	0	0	0
82.5°	2	2	0	0	0	0	0	0	0	0
85°	0	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0	0
90°	0	0	0	0	0	0	0	0	0	0
92.5°	0	0	0	0	0	0	0	0	0	0
95°	0	0	0	0	0	0	0	0	0	0
97.5°	0	0	0	0	0	0	0	0	0	0
100°	0	0	0	0	0	0	0	0	0	0
102.5°	0	0	0	0	0	0	0	0	0	0
105°	0	0	0	0	0	0	0	0	0	0
107.5°	0	0	0	0	0	0	0	0	0	0
110°	0	0	0	0	0	0	0	0	0	0



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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	0	0	0	0	0	0	0	0	0	0
115°	0	0	0	0	0	0	0	0	0	0
117.5°	0	0	0	0	0	0	0	0	0	0
120°	0	0	0	0	0	0	0	0	0	0
122.5°	0	0	0	0	0	0	0	0	0	0
125°	0	0	0	0	0	0	0	0	0	0
127.5°	0	0	0	0	0	0	0	0	0	0
130°	0	0	0	0	0	0	0	0	0	0
132.5°	0	0	0	0	0	0	0	0	0	0
135°	0	0	0	0	0	0	0	0	0	0
137.5°	0	0	0	0	0	0	0	0	0	0
140°	0	0	0	0	0	0	0	0	0	0
142.5°	0	0	0	0	0	0	0	0	0	0
145°	0	0	0	0	0	0	0	0	0	0
147.5°	0	0	0	0	0	0	0	0	0	0
150°	0	0	0	0	0	0	0	0	0	0
152.5°	0	0	0	0	0	0	0	0	0	0
155°	0	0	0	0	0	0	0	0	0	0
157.5°	0	0	0	0	0	0	0	0	0	0
160°	0	0	0	0	0	0	0	0	0	0
162.5°	0	0	0	0	0	0	0	0	0	0
165°	0	0	0	0	0	0	0	0	0	0
167.5°	0	0	0	0	0	0	0	0	0	0
170°	0	0	0	0	0	0	0	0	0	0
172.5°	0	0	0	0	0	0	0	0	0	0
175°	0	0	0	0	0	0	0	0	0	0
177.5°	0	0	0	0	0	0	0	0	0	0
180°	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)